(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



Rec'd PCT/PTO 20 DEC 2004

(43) International Publication Date 31 December 2003 (31.12.2003)

PCT

(10) International Publication Number WO 2004/000382 A1

(51) International Patent Classification7: 27/48, 27/54, 29/12, 29/16, 31/12, 31/16 A61L 27/44,

(21) International Application Number:

PCT/US2003/019676

(22) International Filing Date:

20 June 2003 (20.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/390,665

21 June 2002 (21.06.2002) US

(71) Applicant (for all designated States except US): GEN-ZYME CORPORATION [US/US]; 1 Kendall Square, Cambridge, MA 02139 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RATNER, Buddy [US/US]; Cambridge, MA (US). KWOK, Connie [US/US]; Cambridge, MA (US). WALLINE, Katie [US/US]; Cambridge, MA (US). JOHNSTON, Erika [US/US]; Cambridge, MA (US). MILLER, Robert, J. [US/US]; Cambridge, MA (US).

(74) Agent: KENT, Cheng, H.; Cohen, Pontani, Lieberman & Pavane, 551 Fifth Avenue, Suite 1210, New York NY 10176 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SILICONE BLENDS AND COMPOSITES FOR DRUG DELIVERY

(57) Abstract: The present invention provides a composition for use in delivering a drug into the body of a mammal, wherein the composition comprises silicone elastomer, an adjuvant polymer, and the drug. This composition may be part of an implantable medical device, such as a stent or a vascular or other graft or sheath, among other configurations. When the compositions are used as coating, the coating may further include a topcoat of silicone or silicone and adjuvant polymer mixture.